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File: DWPI

Sep 28, 2000

DERWENT-ACC-NO: 2000-594314

DERWENT-WEEK: 200067

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TITLE: Aggregated composition suitable for phototherapy or prophylaxis of psoriasis, eczema or skin cancer and for delivering nucleic acids and proteins into cells, comprises transport protein VP22 and an oligonucleotide

INVENTOR: NORMAND, N M; O'HARE, P F J

PATENT-ASSIGNEE:

ASSIGNEE

CODE

PHOGEN LTD

PHOGEN

PRIORITY-DATA: 1999GB-0030499 (December 24, 1999), 1999GB-0005444 (March 10, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 200031765 A	September 28, 2000	N/A	000	C12N000/00
WO 200053722 A2	September 14, 2000	E	028	C12N000/00

DESIGNATED-STATES: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
AU 200031765A	March 10, 2000	2000AU-0031765	N/A
AU 200031765A		WO 200053722	Based on
WO 200053722A2	March 10, 2000	2000WO-GB00897	N/A

INT-CL (IPC): C12N 0/00

ABSTRACTED-PUB-NO: WO 200053722A

BASIC-ABSTRACT:

NOVELTY - An aggregated composition (I) comprising a polypeptide having the transport function of a transport protein VP22, and an oligonucleotide or polynucleotide, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the

following:

(1) making (I), comprising:

(a) mixing a polypeptide with the transport function of VP22 with the oligonucleotide or polynucleotide; and

(b) allowing the obtained mixture to form aggregates of particle size 0.1-5 microns, e.g. 1-3 microns; and

(2) a cell preparation which has been treated with (I).

ACTIVITY - Cytostatic; antipsoriatic; dermatological. No biological data is given.

MECHANISM OF ACTION - Gene therapy.

USE - (I) is useful for preparing a medicament for therapy or prophylaxis

of a disease and for delivering molecules to cells in vitro. The medicament is suitable for phototherapy (claimed). The aggregates are delivered to target cells such as tumor cells in vivo and are useful for treating psoriasis, eczema or skin cancer.

ADVANTAGE - The aggregates are resistant to trypsinization of cultured cells containing them, and rapid disintegration of the aggregates can be achieved by exposure to fluorescent or visible light.

CHOSEN-DRAWING: Dwg.0/0

TITLE-T ERMS: AGGREGATE COMPOSITION SUIT PROPHYLACTIC PSORIASIS
ECZEMA SKIN CANCER DELIVER NUCLEIC ACID PROTEIN CELL COMPRISE
TRANSPORT PROTEIN

DERWENT-CLASS: B04 D16

CPI-CODES: B04-E01; B04-F01; B04-N03; B14-H01; B14-N17C; B14-S03;
D05-H08;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

M423 M431 M720 M782 M905 N137 P631 P633 P943 Q233

Specific Compounds

A00NSK A00NST A00NSM A00NSP

Chemical Indexing M1 *02*

Fragmentation Code

M423 M431 M720 M782 M905 N137 P631 P633 P943 Q233

Specific Compounds

A012PK A012PT A012PM A012PP

Chemical Indexing M1 *03*

Fragmentation Code

M423 M431 M720 M782 M905 N137 P631 P633 P943 Q233

Specific Compounds

A013IK A013IT A013IM A013IP

Chemical Indexing M1 *04*

Fragmentation Code

M423 M431 M720 M782 M905 7 P631 P633 P943 Q233

Specific Compounds

A00H1K A00H1T A00H1M A00H1P

Chemical Indexing M1 *05*

Fragmentation Code

M423 M431 M720 M782 M905 N137 P631 P633 P943 Q233

Specific Compounds

A00H3K A00H3T A00H3M A00H3P

Chemical Indexing M1 *06*

Fragmentation Code

M423 M710 M905 Q233

Specific Compounds

A00GTN

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-177513